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To:

Mr. Tong-Suk (James) Lee  
Primary Examiner  
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U.S. Dept. of Commerce  
U.S. Patent Office  
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September 7, 2005

Jong-Suk Lee  
Primary Examiner  
AU 3673  
U.S. Patent Office

Dear Mr. Lee:

Thank you for your response of August 25, 2005. In response to Action 1., i would like to state that no new matter has been added in the specification i filed April 14, 2005.

In response to action 2, i would like to request that consideration of the drawings be delayed until the claims are settled. Also, if the drawings are not necessary i would like to withdraw them.

In response to action 3., and action 4., the specification submitted has 3 improvements over the Tracy invention in the area of labor and new materials use savings, 4 improvements over the Tracy invention in the area of ease of installation, and 2 improvements over the Tracy invention in the area of improved sewage treatment and disposal.


The submitted specification does not require the use of gravel, resulting in savings of undisturbed land and money. It does not require use of a new pipe, resulting in money and most likely oil savings, as most installations now use plastic pipe. It also does not require labor and the associated money to cut a hole in each tire large enough to admit a conduit pipe.

The submitted specification does not require the use of gravel, which generally requires the use of a heavy truck. The use of gravel further limits the Tracy invention for installations in remote locations, such as mountainous areas. The specification submitted does not require cutting a large hole in each tire, which would require heavy cutting equipment. It also, does not require assemblage of the tires on a pipe, most conveniently done in an off-site shop, resulting in a large unwieldy device which would be difficult to transport and install. The submitted invention provides discrete holes in the tire in order to apply the sewage effluent at a precise depth in the soil. Septic permit approvals in many states in the U.S. require precise installation depths for disposal of sewage, as there are strict requirements for stand-offs to features such as water level and rock. The Tracy invention does not provide for discrete placement of the effluent, possibly negating any ability to obtain a necessary septic permit, and voiding the utility of the Tracy invention.

The submitted invention provides for water-tight sealing of the tires, with discrete holes for exit of the effluent. This would provide the opportunity to retain the wastewater for a specified length of time by appropriate sizing of the holes. The Tracy invention has no such provision. In addition to increased treatment time, the proposed invention provides discrete disposal depth, so that the effluent may be directed to the most advantageous soil layer for the greatest treatment.

In light of these explanations, i respectfully request that you please reconsider your denial of claims 1-3. Thank you for your time and consideration.

Sincerely,



Ray S. Coffey, Jr.